



Instruction manual for model ETR381



3/8" Ratchet Wrench

IMPORTANT

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

SAFETY GUIDELINES - DEFINITIONS

This manual contains information that is important for you to know and understand. This information relates to protecting **YOUR SAFETY** and **PREVENTING EQUIPMENT PROBLEMS**. To help you recognize this information, we use the symbols below. Please read the manual and pay attention to these sections.

| SAFETY and PREVENTING EQUIPMENT PROBLEMS. To help you recognize this information, we use the symbols below. Please read the manual and pay attention to these sections. | |
|--|---|
| ⚠ DANGER Indicates an imminently hazardous situation which, if not avoided, will result in <u>death or serious injury.</u> | ⚠ CAUTION Indicates a potentially hazardous situation which, if not avoided, <u>may</u> result in <u>minor or moderate injury.</u> |
| ⚠ WARNING Indicates a potentially hazardous situation which, if not avoided, <u>could</u> result in <u>death or serious injury.</u> | CAUTION Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, <u>may</u> result in <u>property damage.</u> |

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some example of these chemicals are:

- lead from lead-based paints
- crystalline silica from bricks and cement and other masonry products
- arsenic and chromium from chemically-treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, always wear **MSHA/NIOSH** approved, properly fitting face mask or respirator when using such tools.

When using air tools, basic safety precautions should always be followed to reduce the risk of of personal injury.








SAVE! IMPORTANT SAFETY INSTRUCTIONS SAVE!





⚠ WARNING

IMPROPER OPERATION OR MAINTENANCE OF THIS PRODUCT COULD RESULT IN SERIOUS INJURY AND PROPERTY DAMAGE. READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING THIS EQUIPMENT. WHEN USING AIR TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF PERSONAL INJURY.

| HAZARD | WHAT COULD HAPPEN | HOW TO PREVENT IT |
|--|--|---|
| <p>⚠ WARNING</p> <p>RISK OF EYE OR HEAD INJURY</p>  | <ul style="list-style-type: none">• Air powered equipment and power tools are capable of propelling materials such as metal chips, saw dust, and other debris at high speed, which could result in serious eye injury.• Compressed air can be hazardous. The air stream can cause injury to soft tissue areas such as eyes, ears, etc. Particles or objects propelled by the stream can cause injury.• Tool attachments can be come loose or break and fly apart propelling particles at the operator and others in the work area. | <ul style="list-style-type: none">• Always wear ANSI approved Z87.1 safety glasses with side shields.• Never leave operating tool unattended. Disconnect air hose when tool is not in use.• For additional protection use an approved face shield in addition to safety glasses. |
| <p>RISK OF FIRE OR EXPLOSION</p>  | <ul style="list-style-type: none">• Abrasive tools such as sanders and grinders, rotating tools such as drills, and impact tools such as wrenches, hammers, and reciprocating saws are capable of generating sparks which could result in ignition of flammable materials.• Exceeding the maximum pressure rating of tools or accessories could cause an explosion resulting in serious injury. | <ul style="list-style-type: none">• Make sure that any attachments are securely assembled.• Never operate tools near flammable substances such as gasoline, naphtha, cleaning solvents, etc.• Work in a clean, well ventilated area free of combustible materials.• Never use oxygen, carbon dioxide or other bottled gases as a power source for air tools.• Use compressed air regulated to a maximum pressure at or below the rated pressure of any attachments. |
| <p>RISK OF LOSS OF HEARING</p>  | <ul style="list-style-type: none">• Long term exposure to noise produced from the operation of air tools can lead to permanent hearing loss. | <ul style="list-style-type: none">• Always wear ANSI S3.19 hearing protection. |
| <p>RISK TO BREATHING INHALATION HAZARD</p>  | <ul style="list-style-type: none">• Abrasive tools, such as grinders, sanders, and cut-off tools generate dust and abrasive materials which can be harmful to human lungs and respiratory system.• Some materials such as adhesives and tar, contain chemicals whose vapors could cause serious injury with prolonged exposure. | <ul style="list-style-type: none">• Always wear MSHA/NIOSH approved, properly fitting face mask or respirator when using such tools.• Always work in a clean, dry, well ventilated area. |

| HAZARD | WHAT COULD HAPPEN | HOW TO PREVENT IT |
|---|---|--|
| <div data-bbox="133 131 288 175"> ⚠ WARNING RISK OF INJURY </div> <div data-bbox="173 186 245 267">  </div> | <ul style="list-style-type: none"> Tools left unattended, or with the air hose attached can be activated by unauthorized persons leading to their injury or injury to others. | <ul style="list-style-type: none"> Remove air hose when tool is not in use and store tool in secure location away from reach of children. |
| | <ul style="list-style-type: none"> Power tools can throw materials throughout the work area. | <ul style="list-style-type: none"> Use only parts, fasteners, and accessories recommended by the manufacturer. Keep work area clean and free of clutter. Keep children and others away from work area during operation of the tool. Keep work area well lit. |
| | <ul style="list-style-type: none"> Power tools can become activated by accident during maintenance or tool changes. | <ul style="list-style-type: none"> Remove air hose to lubricate or add grinding attachments, sanding discs, drills, etc. to the tool. Never carry the tool by the hose. Avoid unintentional starting. Don't carry hooked-up tool with finger on trigger. Repair servicing should be done only by an authorized service representative. |
| | <ul style="list-style-type: none"> Power tools can cause the workpiece to move upon contact leading to injury. Loss of control of the tool can lead to injury to self or others. | <ul style="list-style-type: none"> Use clamps or other devices to prevent movement. Never operate tool while under the influence of drugs or alcohol. Don't overreach. Keep proper footing and balance at all times. Keep handles dry, clean, and free from oil and grease. Stay alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired. |
| | <ul style="list-style-type: none"> Poor quality, improper, or damaged tools such as grinding wheels, chisels, sockets, drills, etc., can fly apart during operation, propelling particles throughout the work area causing serious injury. | <ul style="list-style-type: none"> Always use tool attachments rated for the speed of the power tool. Never use tools which have been dropped, impacted or damaged by use. Use only impact grade sockets on an impact wrench. Do not apply excessive force to the tool – let the tool perform the work. |

| HAZARD | WHAT COULD HAPPEN | HOW TO PREVENT IT |
|--|--|--|
| ⚠ WARNING RISK OF ENTANGLEMENT  | <ul style="list-style-type: none"> Tools which contain moving elements, or drive other moving tools, such as grinding wheels, sockets, sanding discs, etc. can become entangled in hair, clothing, jewelry and other loose objects, resulting in severe injury. | <ul style="list-style-type: none"> Never wear loose fitting clothes, or apparel which contains loose straps or ties, etc. which could become entangled in moving parts of the tool. Remove any jewelry, watches, identifications, bracelets, necklaces, etc. which might become caught by the tool. Keep hands away from moving parts. Tie up or cover long hair. Always wear proper fitting clothing and other safety equipment when using this tool. |
| RISK OF CUT OR BURNS  | <ul style="list-style-type: none"> Tools which cut, shear, drill, punch, chisel, etc. are capable of causing serious injury. | <ul style="list-style-type: none"> Keep the working part of the tool away from hands and body. |

SPECIFICATIONS

Free Speed @ 90 PSI

Maximum Working Pressure

Air Inlet

Recommended Hose Size

Maximum Torque

150 RPM

(Forward/Reverse)

90 PSI

1/4" NPT

3/8" I.D.

50 Ft./Lbs.

ASSEMBLY

Accessories Required

IMPORTANT: Line pressure or hose inside diameter should be increased to compensate for unusually long air hoses (over 25 feet). Minimum hose diameter should be 3/8" I.D. and fittings should have 1/4" NPT thread.

OPERATION

Operation

Before each use:

- Drain water from air compressor tank and condensation from air lines. See air compressor's operators manual.

⚠ CAUTION

Disconnect the ratchet wrench from the air supply before lubricating or changing sockets.

- Lubricate tool, see "Maintenance" section in this manual.

⚠ CAUTION

Impact wrench sockets and accessories must be used with this tool. Do not use hand sockets and accessories.

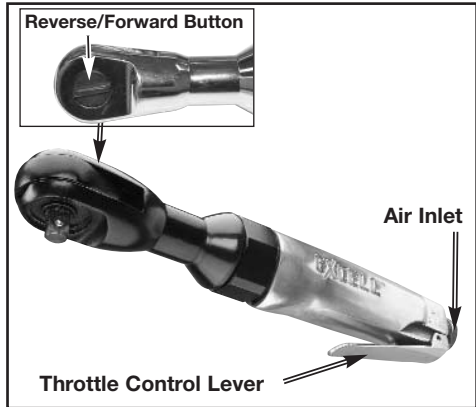
- Select the required impact socket. This tool has a 3/8" square drive, use 3/8" deep sockets. Use 3/8" extensions only when needed.

Connect tool to air hose of recommended size. **NOTE:** The use of a quick connect set makes connecting easier.

IMPORTANT: The use of air filters and air line lubricators is recommended.

To use:

- Turn air compressor on and allow air tank to fill.
- Set the air compressor's regulator to 90 PSI. This tool operates at a maximum **90 PSI** pressure.
- Place tool in forward or reverse position.
- Depress the throttle control lever to operate tool. **NOTE:** The throttle control lever provides instant response when depressed.
- Release throttle control lever to stop tool.



- Always disconnect air supply when changing sockets.
- When job is complete, turn the air compressor off and store as described in the air compressor operator manual.

Tips

- Drive the fastener until the ratchet stalls and then further tighten by operating the air ratchet in the same manner as a manually operated ratchet.

MAINTENANCE

Lubrication

Air tools require lubrication throughout the life of the tool. The air motor and bearing uses compressed air to power the tool. Because moisture in compressed air will rust the air motor, you must lubricate the motor daily. An inline oiler is recommended.

To lubricate the air motor manually:

- Disconnect the tool from the air supply holding it so the air inlet faces up.
- Depress throttle control lever and place one to two drops of air tool oil in the air inlet. Depressing the throttle control lever helps circulate oil in the motor.
NOTE: Use SAE #10 weight oil if air tool oil is not available.
- Connect the tool to an air source, cover the exhaust end with a towel and run for a few seconds.



⚠ WARNING Any excess oil in the motor is immediately expelled from the exhaust port. Always direct exhaust port away from people or objects.

⚠ WARNING Failure to lubricate the tool at the air inlet will void your warranty.

LIMITED WARRANTY

All merchandise manufactured by DeVilbiss Air Power Company Manufacturing is warranted to be free of defects in workmanship and material which occur during the first year from the date of purchase by the original purchaser (initial user). Products covered under this warranty include: air compressors, *air tools, accessories, service parts, pressure washers, and generators used in consumer applications (i.e., personal residential household usage only).

Air compressors, *air tools, accessories, service parts, pressure washers, and generators used in commercial applications (income producing) are covered by a 90 day warranty.

DeVilbiss Air Power Manufacturing will repair or replace, at DeVilbiss' option, products or components which have failed within the warranty period. Repair or replacement, and service calls on 60 and 80 gallon air compressors, will be handled by Authorized Warranty Service Centers and will be scheduled and serviced according to the normal work flow and business hours at the service center location, and depending on the availability of replacement parts.

All decisions of DeVilbiss Air Power Company Manufacturing with regard to this policy shall be final.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RESPONSIBILITY OF ORIGINAL PURCHASER (Initial User):

- ☐ To process a warranty claim on this product, DO NOT return it to the retailer. The product must be evaluated by an Authorized Warranty Service Center. For the location of the nearest Authorized Warranty Service Center call 1-800-888-2468, Ext. 2, 24 hours a day, 7 days a week or visit our web site @ devap.com.
- ☐ Retain original cash register sales receipt as proof of purchase for warranty work.
- ☐ Use reasonable care in the operation and maintenance of the product as described in the Owners Manual(s).
- ☐ Deliver or ship the product to the nearest DeVilbiss Air Power Manufacturing Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.
- ☐ Air compressors with 60 and 80 gallon tanks only will be inspected at the site of installation. Contact the nearest Authorized Warranty Service Center, that provides on-site service calls, for service call arrangement.
- ☐ If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact DeVilbiss Air Power Company Manufacturing.

THIS WARRANTY DOES NOT COVER:

- ☐ Merchandise sold as reconditioned, floor models and/or display models. Any damaged or incomplete equipment sold "as is".
- ☐ Merchandise used as "rental" equipment.
- ☐ Merchandise that has become inoperative because of ordinary wear, misuse, freeze damage, use of improper chemicals, negligence, accident, improper and/or unauthorized repair or alterations including failure to operate the product in accordance with the instructions provided in the Owners Manual (s) supplied with the product.

*Air Tools: O-Rings and driver blades are considered ordinary wear parts, therefore, they are warranted for a period of 45 days from the date of purchase.

- ☐ An air compressor that pumps air more than 50% during a one hour period is considered misuse because the air compressor is undersized for the required air demand. Maximum compressor pumping time per hour is 30 minutes.
- ☐ Merchandise sold by DeVilbiss Air Power Manufacturing which has been manufactured by and identified as the product of another company. The product manufacturer's warranty will apply.
- ☐ Repair and transportation costs of merchandise determined not to be defective.
- ☐ Cost associated with assembly, required oil, adjustments or other installation and start-up cost.
- ☐ Any incidental, indirect or consequential loss, damage, or expense that may result from ANY defect, failure or malfunction of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- ☐ Implied warranties, including those of merchantability and fitness for a particular PURPOSE, are limited to one year from the date of original purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.



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